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Attorney Docket No. AIS-0008

PTO/SB/01 (3-97)

Approved for use through 6/30/98. OMB 0651-0032
Patent and Trademark Office; US DEPARTMENT OF COMMERCE

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION		Attorney Docket No.	AIS-0008
<input checked="" type="checkbox"/> Declaration submitted with or initial filing		First Named Inventor	Akira SHOJI
		COMPLETE IF KNOWN	
		Application No.	
		Filing Date	August 21, 2003
		Group Art Unit	
		Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (only if one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD FOR FORMING JOSEPHSON JUNCTION,
JOSEPHSON JUNCTION AND APPARATUS USING
JOSEPHSON JUNCTION**

(Title of the Invention)

the specification of which

is attached hereto

or

was filed on *August 21, 2003*, as United States Application Number

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YY)	Priority Not claimed	Certified Copy Attached YES <input type="checkbox"/> NO <input type="checkbox"/>
2002-240313	Japan	August/21/2002		<input type="checkbox"/> <input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number (s)	Filing Date (MM/DD/YY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.



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DECLARATION - Utility Or Design Patent Application

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) or any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 35, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 23353
and
 Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label Here

Name	Registration No.	Name	Registration No.
Richard D. Griner	22,388	Kevin D. Rutherford	40,412
David T. Nikaido	22,663	Glenn E. Forbis	40,610
Ronald P. Kanonen	24,104	Lee Cheng	40,949
Ralph T. Rader	28,772	Kristin L. Murphy	41,212
Carl Schaukowitch	29,211	Matthew J. Russo	41,282
Michael D. Fishman	31,951	Robert S. Green	41,800
Joseph V. Coppola, Sr.	33,373	James F. Kamp	41,882
Michael B. Stewart	36,018	Brian K. Dutton	47,255
Alexander D. Rabinovich	37,425	Shawn H. Cage	51,522

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number or Bar Code Label **23353** or Correspondence Address below

Name	Rader Fishman & Grauer PLLC		
Address	1233 20 th Street, N.W., Suite 501		
City, State, Zip	Washington, D.C. 20036		
Country	US	Telephone	202-955-3750
		Fax	202-955-3751

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of First Inventor A petition has been filed for this unsigned inventor.

Given Name (first and middle [if any])

Family Name or Surname

Akira	SHOJI
-------	-------

Inventor's Signature	<i>A. Shoji</i>				Dated	12/01/03	
Residence: City	Ibaraki	State	Country	Japan	Citizenship	Japan	
Post Office Address	c/o National Institute of Advanced Industrial Science and Technology, AIST Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi						
City	Ibaraki	State	Zip	305-8568	Country	Japan	

Additional inventors are being named on the [] supplemental additional inventor(s) sheet(s) PTO/SB/02A attached hereto.

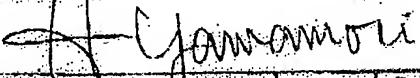
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Name of Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.				
Given Name (first and middle if any)				Family Name or Surname		
Hirotake				YAMAMORI		
Inventor's Signature					Dated 11/29/03	
Residence City	Ibaraki	State		Country	Japan	Citizenship
Post Office Address	c/o National Institute of Advanced Industrial Science and Technology, AIST Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi					
City	Ibaraki	State		Zip	305-8568	Country
						Japan

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Akira Shoji (12/01/2003) and Hirotake Yamamori
(11/29/2003)

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: _____ see Box 1, conveying parties

2. Name and address of receiving party(ies)

Name: National Institute of Advanced Industrial
Science and Technology

Internal Address: _____

Street Address:
3-1, Kasumigaseki 1-chome
Chiyoda-ku

City: Tokyo

Country: Japan Zip: 100-8921

Additional name(s) & address(es) attached: Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: _____

A. Patent Application No.(s):

10/644,801

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: AIS-008

Street Address:
1233 20th Street, N.W.
Suite 501

City:
Washington

State: DC Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed

Authorized to be charged to deposit account

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(Form 2038 enclosed)

8. Deposit account number:

18-0013

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Shawn B. Cage

Name of Person Signing

Shawn B. Cage

Signature

December 22, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

METHOD FOR FORMING JOSEPHSON JUNCTION, JOSEPHSON JUNCTION AND APPARATUS USING JOSEPHSON JUNCTION

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, National Institute of Advanced Industrial Science and Technology, a Japanese corporation with offices at 1-3-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8921 JAPAN, (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of Ten Dollar (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements

Attorney Docket No. AIS-0008

in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow:

Serial Number: , Filing Date: August 21, 2003.

This assignment executed on the dates indicated below.

Akira SHOJI

A. Shoji

12/01/03

Signature

Date

Hirotake YAMAMOTO

H. Yamamoto

11/29/03

Signature

Date

Signature

Date

Signature

Date